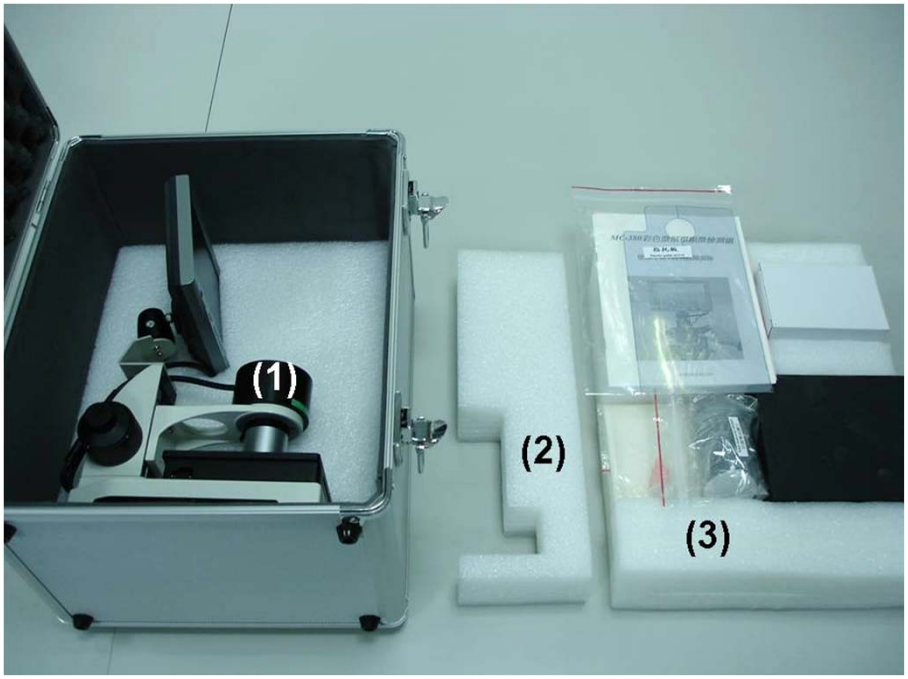
MC-380 Microcirculation Scope

User's Manual /
Trouble Shooting

How to put MC-380 in its suitcase



1. Set the lens (1) to the lower position and put it inside the bottom protection base.

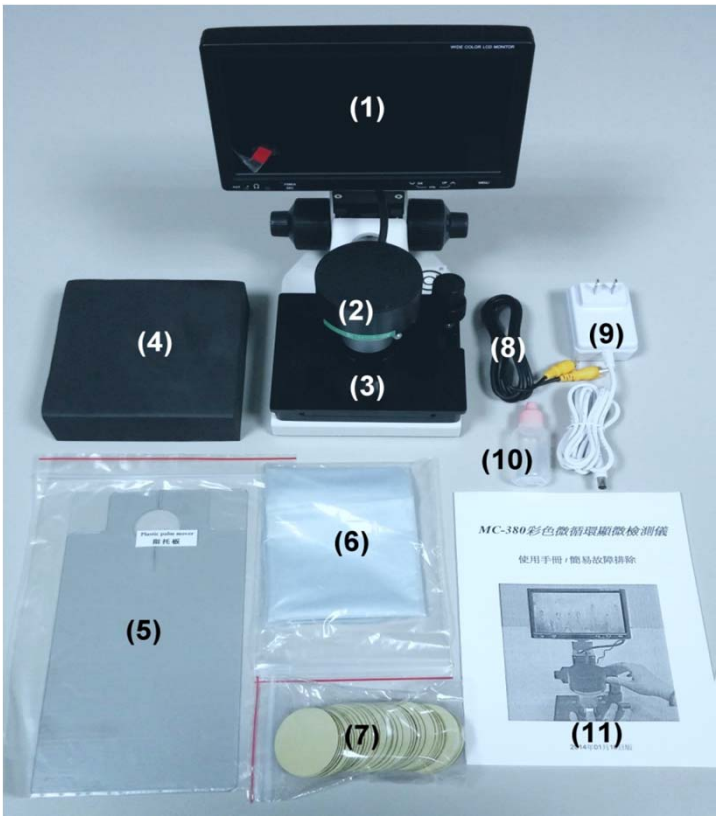
2. Put the protection part (2) inside to fix the lens appropriately.

3. Then put the protection part (3) with all other accessories inside.

4. While all parts to be put in right position, it will avoid unnecessary during transportation.

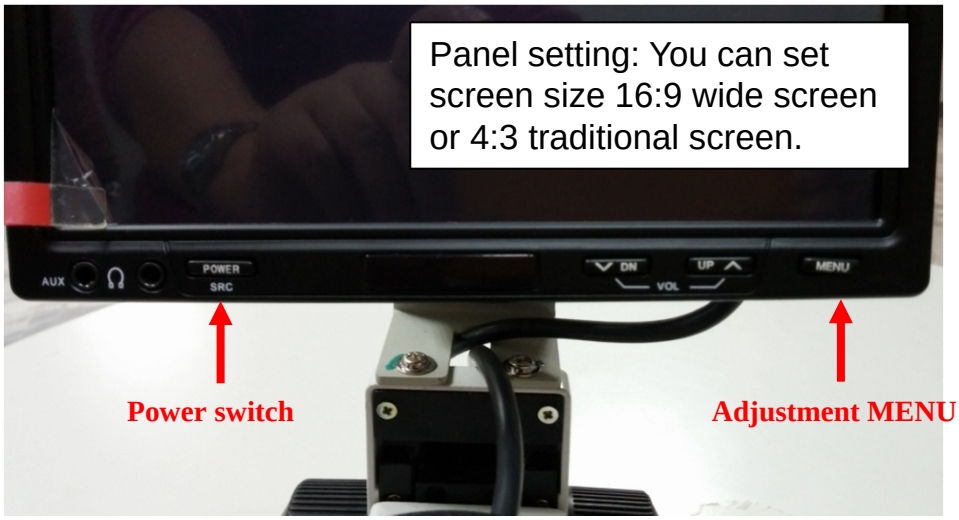
5. Package finished, as per the picture at right side.

Standard accessories:



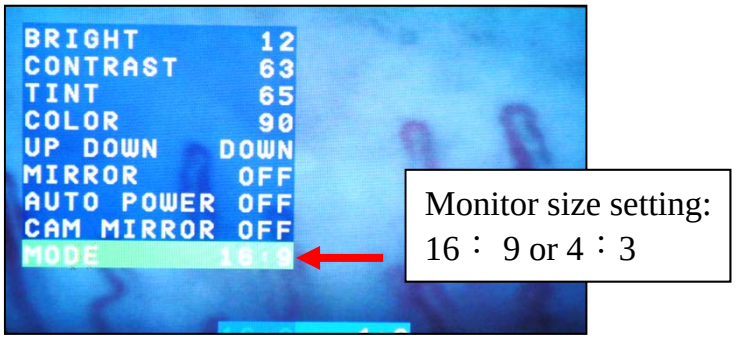
(1) Control unit with 7” TFT color LCD panel.
(2) Adjustable non-reflection 380x lens.
(3) Finger fixing plate.
(4) Palm supporter.
(5) Plastic palm mover (3 pieces).
(6) Anti-dust cover of control unit.
(7) Anti-removal sticker.
(8) AV signal cable.
(9) Power adaptor .
(10) Empty bottle for imaging oil.
(11) User’s Manual.

LCD panel setting

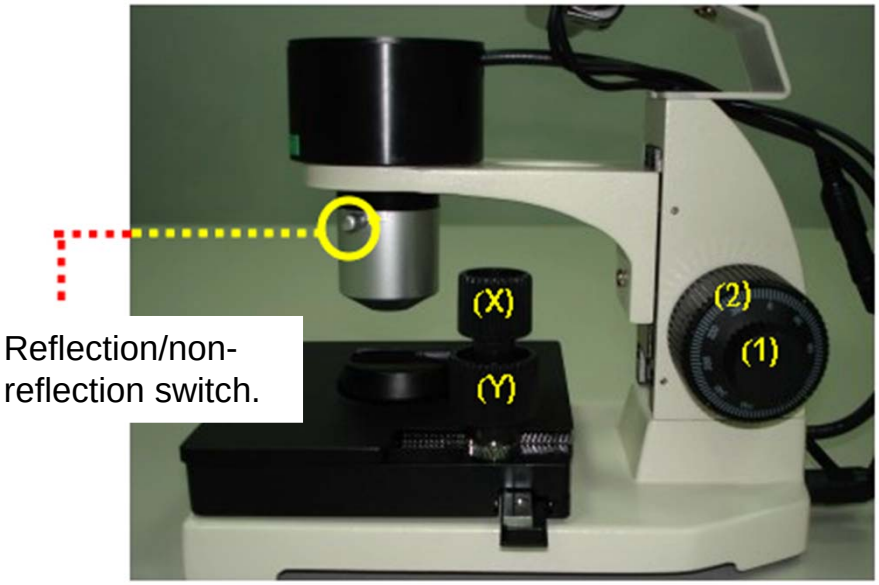


Options to adjust screen, press the “MENU” button continuously to select: “Bright” > “Contrast” > “Tint” > “Color” > “Up/Down” > “Mirror” > “Auto Power” > “Cam Mirror” and press “UP” or “DN” to set your standard.

- **We strongly suggest the user to adopt our original standard setting while only using the MC-380 control unit --- Bright: 12, Contrast: 63, Tint: 65, Color: 90.**



Adjustment tuner setting



(X)：Left / right direction tuner.
(Y)：Forward / backward direction tuner.

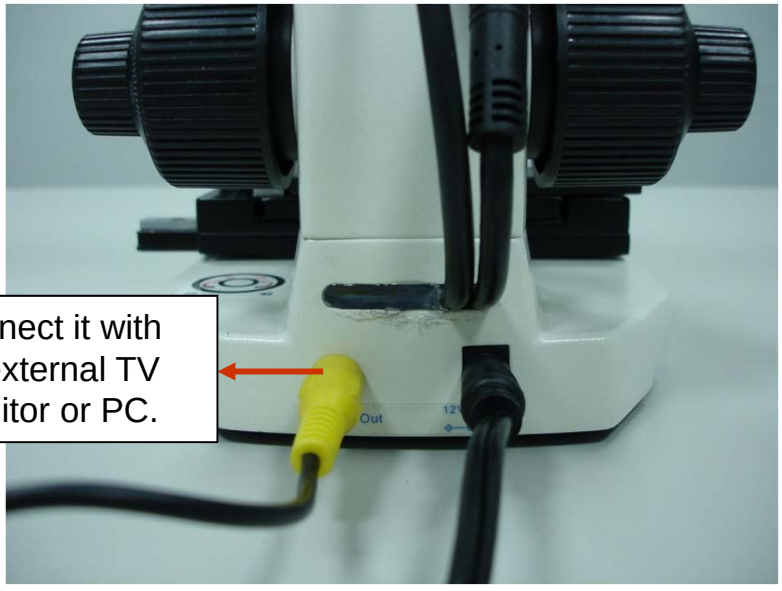
(1)：Up / down fine tuner.
(2)：Up / down direction tuner.

Back sockets illustrations

(1) Video signal socket for LCD

(2) Standard connector for power adaptor.

※ *Please plug the "AV signal cable" to connect an external TV monitor or PC.*



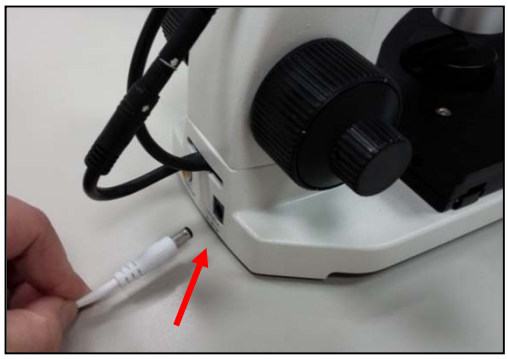
Connect it with an external TV monitor or PC.

LCD panel height & angle adjustment

(1) LCD panel height adjustment tuner.

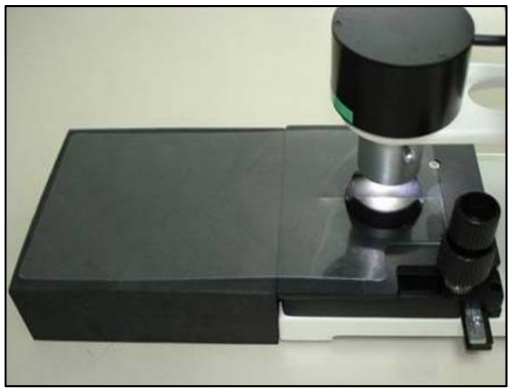
(2) LCD panel angle adjustment tuner.

Unit set-up preparation



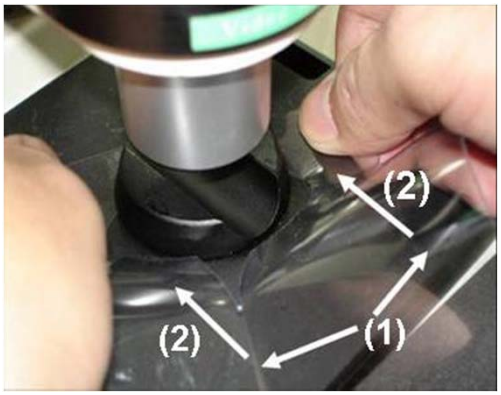
1. Confirm the power adaptor had been well-plugged.

2. Turn on the power of LCD panel & verify all the blue lights are on.



3. Follow the illustrations of next page to install the palm supporter & plastic palm mover.

Instructions of Plastic Palm Mover



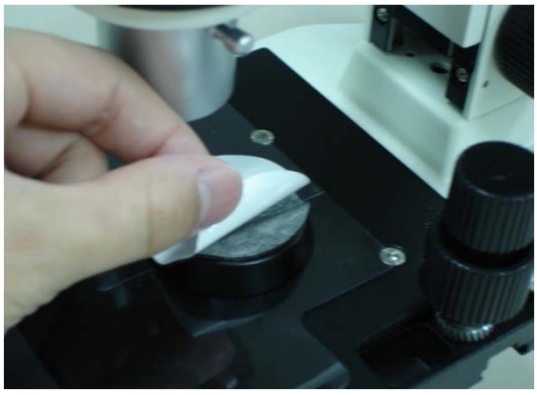
Please hold the plastic palm mover with both hands towards the finger fixing plate，pull apart the plastic finger plate slightly **(1)** and hook it into the bottom of the finger fixing plate **(2).**

Therefore, due to the actions above, the plastic palm mover is already fixed on the platform flatly.

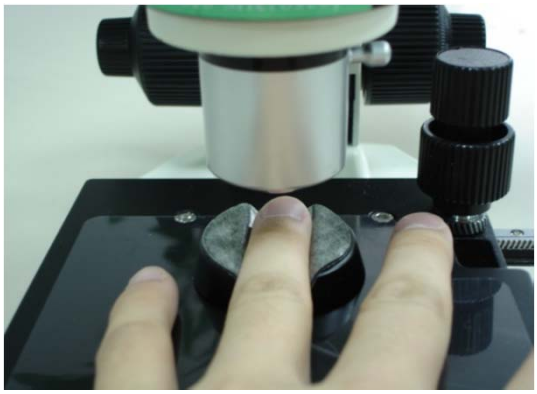
With the plastic palm mover the tested palm and finger is available to comply with X-Y adjustment tune movements. And it is able to shift efficiently for the convenience of observation.

Instruction of Anti-removal sticker

1. Move the “finger fixing plate” to the right side for the convenience of installation.
2. Paste the anti-removal sticker on the finger fixing plate.



Then take off the other adhesive side paper.

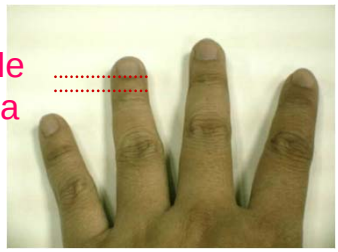


Put the tested finger on the anti-removal sticker of the finger fixing plate to keep the stability (avoid the improper removal during observation.

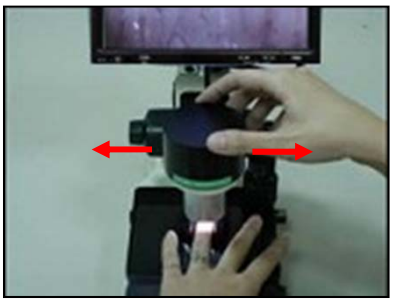
Prescriptions of test procedures

1. Smoothly & evenly apply the imaging oil on the test area in order to get clearer image. Suggested test area nailfold of left ring finger.

Available test area



2. Put the hand on the palm supporter to keep the stability & fix the tested finger on finger fixing plate.



3. To change the image direction, you can slightly rotate the black camera holder clockwise or anti-clockwise.

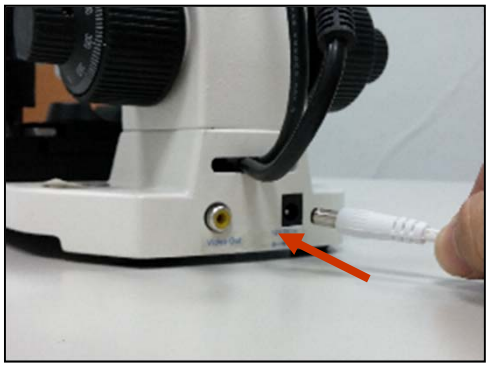
4. You can get right focus & clear image by adjusting XYZ tuners and reflection / non-reflection handlebar of lens.

Trouble shooting (1)

Conditions:
1. No image.

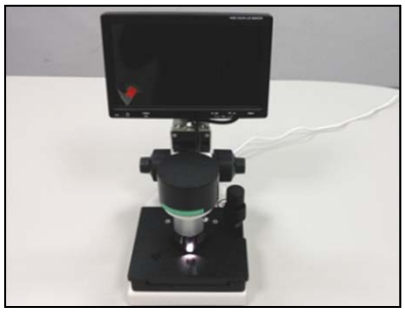
2. No power and lens light.

Please check the following power connections:



If the connections are completed but no image displayed, then MC-380 power adaptor is defective.

Trouble shooting (2)



Conditions:
1. Lens light is OK .

2. But no image on LCD panel.

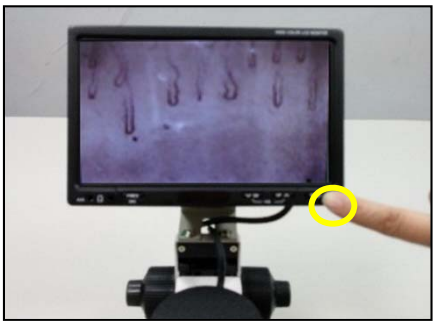
Please make sure if the LCD panel power cord is well-connected.

Please also ensure that the LCD panel is powered on & all the blue lights are on. If only the power light is on, kindly re-press the “POWER” button to let all blue lights ON.

If the whole connection / LCD panel power are ON, but no image displayed yet, then please connect it to an external TV. If the external TV has an image displayed, it means the LCD panel of MC-380 is out of order.

Trouble shooting (4)

Upside down image displayed.



Please press to “UP/DOWN ” (or Mirror” when the image displayed is inverted & then press “UP” or “DN” button to adjust it.

Character reversed, press to “CAM MIRROR“& then press “UP” or “DN” button till the character is upright.

If the above conditions are right, but the image displayed is still inverted, then LCD panel is irregular.